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Please amend the present application as follows:

Claims

The following is a copy of Applicants' claims that identifies language being added with

underlining (" ") and language being deleted with strikethrough ("—"), as is applicable:

1. (Previously presented) A microelectromechanical system (MEMS) filter system,

comprising:

a first microelectromechanical system (MEMS) resonator; and

a second MEMS resonator closely spaced and mechanically separate from the first

MEMS resonator, wherein the first MEMS resonator is coupled to the second MEMS resonator

through the electrostatic force acting between resonating portions of the MEMS resonators.

2. (Previously presented) The system of claim 1, further including additional MEMS

resonators electrically coupled to the first MEMS resonator, the second MEMS resonator, or the

first and second MEMS resonators.

3. (Previously presented) The system of claim 1, wherein the electrical coupling between

the first MEMS resonator and the second MEMS resonator includes an effective shunt

capacitance to ground.

4. (Previously presented) The system of claim 1, wherein the first MEMS resonator is

capacitively coupled to the second MEMS resonator.

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5. (Previously presented) The system of claim 1, wherein the first MEMS resonator and the

second MEMS resonator are conductive.

6. (Previously presented) The system of claim 1, further including a direct current (DC)

voltage source, a first terminal coupled to the first MEMS resonator, and a second terminal

coupled to the second MEMS resonator, wherein a first DC potential is imposed on the first

terminal and a second DC potential different from the first DC potential is imposed on the

second terminal.

7. (Previously presented) The system of claim 6, wherein responsive to the imposition of

the first and second DC potentials to the first and second terminals, at least two frequency

resonance peaks are elicited.

8. (Previously presented) A microelectromechanical system (MEMS) filter system,

comprising:

a first filter, including:

a first MEMS resonator and a second MEMS resonator; and

a coupling element disposed between the first and the second MEMS resonators

and mechanically separate from the resonating portions of the resonators, wherein the second

MEMS resonator, the first MEMS resonator, and the coupling element are electrically coupled.

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9. (Previously presented) The system of claim 8, further including at least one additional filter of like structure to the first filter, the at least one additional filter electrically coupled to and separate from the first filter.

- 10. (Currently Amended) The system of claim 8, wherein the first MEMS resonator and the second MEMS resonator are electrically coupled with a shunt capacitor to ground disposed between the first MEMS resonator and the second MEMS resonator, further including a direct current (DC) voltage source, a first terminal coupled to the first MEMS resonator, and a second terminal coupled to the second MEMS resonator, wherein a first DC potential is imposed on the first terminal and a second DC potential different from the first DC potential is imposed on the second terminal.
- 11. (Previously presented) The system of claim 8, wherein the first MEMS resonator and the second MEMS resonator are electrically coupled using a series capacitance disposed between the resonating body of the first MEMS resonator and that of the second MEMS resonator wherein responsive to the imposition of the first and second DC potentials to the first and second terminals, at least two frequency resonance peaks are elicited.
- 12. (Original) The system of claim 8, wherein the first MEMS resonator and the second MEMS resonator are electrically coupled using an active component disposed between the first MEMS resonator and the second MEMS resonator.
- 13. (Original) The system of claim 12, wherein the active component includes an amplifier.

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14. (Previously presented) A communications device, comprising:

a receiver; and

a microelectromechanical system (MEMS) filter system disposed in the receiver,

the MEMS filter system comprising:

a first MEMS resonator; and

a second MEMS resonator closely spaced and mechanically separate from the first MEMS resonator, wherein the second MEMS resonator is electrically coupled to the first MEMS resonator.

- 15. (Original) The communications device of claim 14, further comprising a transmitter.
- 16. (Previously presented) The communications device of claim 15, wherein the transmitter comprises a second MEMS filter system, the second MEMS filter system comprising:

a third MEMS resonator; and

a fourth MEMS resonator closely spaced and separate from the third MEMS resonator, wherein the fourth MEMS resonator is electrically coupled to the third MEMS resonator.

17. (Previously presented) The communications device of claim 14, further including a coupling element disposed between the first MEMS resonator and the second MEMS resonator, wherein the second MEMS resonator, the first MEMS resonator, and the coupling element are electrically coupled.

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18. (Previously presented) The communications device of claim 17, wherein the coupling element comprises an active device.

19-20. (Canceled)